

Activity Four

Examine the photographs of the stream valley. How do water velocity, streambed slope/gradient, and underlying rock type affect the shape of the stream valley? How might the stream valley change over time?

Answers should include information on erosion, mass wasting, gravity, water velocity, and weathering.

Discussion of the way streams meander should be included. Discussion of how some rock erodes faster than others and that that will affect the shape of the stream valley should be evident.

Question 2

10 years

Cross section should show a v-shape with areas of erosion.

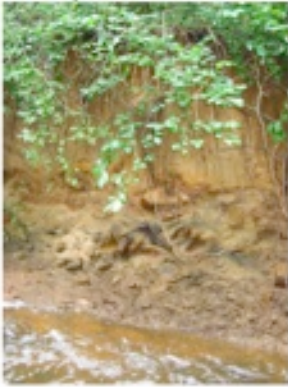
50 years

Cross section should depict a greater v-shape with a wider streambed.

100 years

Cross section should show an exaggerated v-shape with a widened streambed.

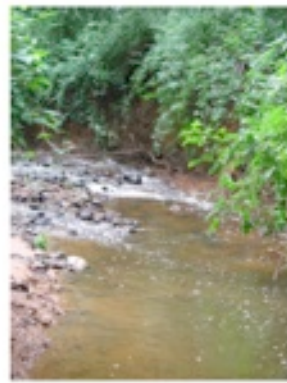
Activity Four



A



B



C



D



E



F